G.B. Pant Institute of Himalayan Environment & Development

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EXPRESSION OF INTEREST (EOI)

For
Setting up of "Database Management Facility" along with customized web-based dynamic "Project Management and Monitoring System"
For
Database Management Centre for Himalayan Studies (DMCHS) @ GBPIHED

Expression of Interest is invited on behalf of the Director, GBPIHED from the reputed and bona-fide companies/ OEMs or their appointed Authorized partners (only one agency per manufacturer) and having vast experience in implementing Data Centre and development of customized web-based dynamic software's for Project Management and Monitoring System. The Pre-qualified firms will be technically evaluated by inviting them to make presentation about their proposed solutions for the work. The techno-commercial bids shall be invited by issuance of the RFP (Request for Proposal) document from the technically qualified bidders.The companies, who have designed and implemented Tier-2 or Tier-3 Data Centre and experience in web-based customized software development **are only eligible to** participate in this EOI.

The EOI document duly attested by the bidder supported by all prescribed documents shall be placed in a sealed envelope superscribed as **"Setting up of Database Management Facility along withProject Management & Monitoring System @ GBPIHED"**should be submitted to the **Administrative Officer, G.B. Pant Institute of Himalayan Environment & Development, Kosi-Katarmal, Almora - 263643, Uttarakhand, India up to 5:00 PM on Feb 16, 2016.** The EOI document should contained the proposed "Database management facility & Customized Web-base Solution for Project Management & Monitoring System" with technical and financial specifications. EOI document can be downloaded from the Institute website http://gbpihed.gov.in .

Proposed Work	Setting up of "Database Management Facility" along with Customized Web-based Dynamic "Project Management and Monitoring System" : Design, supply, installation, testing, commissioning and maintenance of basic infrastructure for the Database management facility & Project Management & Monitoring System and Maintenance thereof up to 3 Years
EOI notice on the Institute website (http://gbpihed.gov.in)	28.1.2016
Last date for submission of EOI	16.2.2016 up to 5.00 P.M.
Opening of EOI	19.2.2016 at 11:00 A.M.
Pre-bid Conference and Presentation by the Firm	19.2.2016 at 11:30 A.M. onwards at Conference Hall of GBPIHED, Kosi-Katarmal, Almora
Issue of Request for Proposal (RFP)	23.2.2016

1. OVERVIEW

The Institute under National Mission on Himalayan Studies (NMHS) would like to establish a **"Database Management Centre for Himalayan Studies (DMCHS)"** which is envisaged to be a national platform (physical as well as digital) for advocating collection, dissemination and synthesis of Himalayan data on biosphere-hydrosphere-atmosphere and socio-economy. Various activities of this centre would meet the needs of Himalayan society for development through the dissemination of Himalayan knowledge products using electronic media, research products using Information and Communication Technology and through building human resources by training. In view of the same, the Institute would like to establish "Data Centre & Customized Web-base Solution for Project Management & Monitoring System" for easy execution and maintenance of Himalayan database.

2. THE OBJECTIVES OF DMCHS ARE AS FOLLOWS:

(i)   To provide data parking and mining platform for concerted researchon Himalaya and develop an exclusive data repository encompassing various aspects of biosphere-hydrosphere-atmosphere and socio-economy of the region.

(ii)   To synthesize data and provide policy uptakes related to sustainable development of IHR.

(iii)   To disseminate the Himalayan knowledge products to the wider national and international community through Information and Communication Technology.

(iv)   Built online system for physical and financial monitoring of projects and dissemination of results of the studies.

(v)   To foster policy and science based collaboration with state agencies.

(vi)   To develop strategic scientific collaboration with other national and international research institutes working on Himalaya through information sharing and by training human resources on Himalayan research.

3. SCOPE OF WORK

The Scope of Work to be carried out under this EOI shall cover, but notlimited to the following aspects:

3 (A). DATA CENTRE HARDWARE

Design, Supply, Installation, Testing, Commissioning and Maintenance of basic infrastructure for the setting up of a Database Management Centre in the headquarters of GB Pant Institute of Himalayan Environment and Development (GBPIHED) at Kosi-Katarmal, Almora, Uttarakhand. Two regional nodes may subsequently be established in future at GBPIHED units/ other Centres in the northwestern and eastern Himalayan region.The proposal should be capable of accommodating 02-06 nos. server racks with provision of 2 nos. 120KVA modular UPS with 30 minutes battery backup on full load. There will also be provision of PAC system, considering the available floor area of ~525 sq. ft. and ~6KW (Single Phase) of power load for each rack. Cooling of electrical room, monitoring room and other offices is **not** in the scope of PAC system. A brief description of work is given as under:

Type of work	Description
High end computers / servers and	At least four network servers (Mail, FTP, Web and Storage) with support to Windows, Linux and other operating system along with adequate storage and necessary networking and power supplying peripherals are needed to

software	sustain the centre. Adequate desktop computers are needed for data synthesis. Particularly, analytical and RS-GIS software (SAS, SPSS, MATLAB, Arc-GIS), financial software for physical and financial monitoring of projects are needed to be purchased/ developed for data analyses. The servers should be well known brand like HP, IBM, DELL, etc.
Internet lease line	Facilities for operating a dedicated (1:1) internet lease line (10 Mbps) connectivity through optical fibre cable (OFC) which would be necessary for ICT based data collection and dissemination. This individual internet line is proposed to be independent form the existing GBPIHED-Institute line for uninterrupted communication.
Web domain	The dynamic web portal of the Centre is proposed to be operated by an individual web domain other than existing web domain of GBPIHED on NIC.
Networking	Laying, crimping, punching and testing of 10G network points from network distribution rack side to data centre server rack. The complete network architecture for the data centre/server room should follow industry standard.
Operating system and DBMS software	Latest operating system for servers and client desktop computers, DBMS software for database management, MS Office 2013 Professional for text editing, Antivirus software for servers and client desktop computers and other network monitoring software's and tools, etc.
UPS	Providing, fixing and commissioning of 2 stacks of 120 KVA modular UPS with 30 minutes battery backup. The installation of UPS will be in N+1 stand by manner. 30 minutes battery backup on "full load".
System for data backup and security	Providing data backup system for the security of the data and firewall system.
BMS safety and security system	Providing, Installation and commissioning of BMS related system with complete accessories: a. BMS should monitor all mechanical, electrical, and other facilities equipment and systems. The system will be capable of local and remote monitoring and operation. b. Air-conditioning Monitoring c. Fire Protection Alarm System d. Water Leak Detection e. Rodent Repellent System f. Surveillance System g. Access Control
Training	Minimum 5 days comprehensive hands-on training for operations of Data Centre facilities
Monitoring and Maintenance	24 x 7 monitoring and maintenance for a period of 3 years extendable up to 5 years.

3 (B). CUSTOMIZED WEB-BASED DYNAMIC "PROJECT MANAGEMENT AND MONITORING SYSTEM"

The customized web-based dynamic software need to be developed for "Project Management and Monitoring System" for large volume of database of Indian Himalayan Region (IHR) which will maintain an 'e- Library' including a directory of studies with their outcomes, quantum of funds granted and their executive summaries.The library would be made available 'online' for use by all

stakeholders. Therefore, the overarching aim of the centre is to facilitate collection, synthesis and dissemination of Himalaya specific information under a single platform.

Tasks to be undertaken by the Firm/ Company:
- Planning and design of the total solution for the customized web-based dynamic software application for "Project Management and Monitoring System".
- Development, testing, and deployment of the web-based dynamic software application for "Project Management and Monitoring System" in association with GBPIHED/ MOEF&CC and subsequent maintenance of the software.
- Deployment of qualified and experienced personnel for the above tasks.
- Training on related tools to GBPIHED personnel. Deploy of support team for this purpose.
- Implementation includes domain registration, web hosting, deployment, full proof Integration with other systems.

Tasks to be undertaken by GBPIHED:
- Overall project co-ordination and interaction with client.
- Co-ordination Deployment of the software.
- Provision of civil and electrical infrastructure

A brief description of work is given as under:

Type of work	Description
Development of customized web-based software application	A customized web-based dynamic software for "Project Management and Monitoring System" for handling of large volume of IHR database will be developed on windows platform (web technologies like .Net, SQL server, etc.).The up-gradation of the software as per need of the Institute time to time and maintenance thereof up to 3 years
Web domain	A separate web domain and database domain/space on windows platform for "Project Management and Monitoring System"
Training	Minimum 5 days comprehensive hands-on training for operations of software/ facility.
Functionality /Modules of the software	Proposed system should be a secure web based application hosted on individual domain/cloud environment. System should automate the workflow, fund and both ways information transfer. System should seamlessly integrate with Centralized Admin to enable the smooth flow of transactions and defined workflows. The application should have web service to listen and push information to various applications through a secure channel. The following functionality/modules will be included in the online web-based dynamic "Project Management and Monitoring System": 1. Creation of login-id by the individuals as per user rights and full right to authorized persons of the Institute. 2. Uploading of progress reports (files/ data/photographs) of projects by the individuals/institutions. 3. Mechanism for evaluation of the project at the Institute end by pre-defined criteria which will be fixed by the Institute for sanctioning of the project. 4. Monitoring of progress of the sanctioned project by submitting progress reports on quarterly, six monthly and annual basis by the PIs.

5. Sanctioning of financial grant, fund flow and their monitoring system.

6. Submitting utilization certificate of the projects.

7. Physical and financial monitoring of projects and dissemination of results of the studies.

8. Generation of Sanction ID against a particular sanction order if fund received from other Departments.

9. Generation of Project ID against each sanction order. If more than one projects against a particular sanction order, Project IDs need to be generated in respect of each project.

10. Provision for recording estimated cost of the each project, contingency of the project (i.e. breakup of Sanctioned amount) before generation of Project ID.

11. Provision of deleting Sanction ID if issued sanction order is cancelled by GBPIHED.

12. Provision for change of Head of Account before payment if Head of Account is changed by GBPIHED keeping Sanction ID & Project ID intact.

13. Provision of releasing Full fund/ Part fund for execution of developmental project against one project or more than one project.

14. Provision of insertion of financial and physical details against any projects.

15. Provision for sanctioning new project against unspent balance lying after execution of original project of any particular Project ID and Sanction ID (compulsory from F.Y).

16. Provision of generation of bill (establishment bill, contingency bill and works contract bill) against allotment of fund (Allotment ID & FY).

17. All dates to be entered in DD-MM-YYYY format. In reports/ bills this format will be used.

18. There shall be option of Rupees in Crore, Rupees in Lac, Rupees while generating reports.

19. There shall be option of Query window with search functionality and exporting the result in pdf/excel format. There shall be option of generation of any report and exporting it in pdf/excel format.

20. Provision of User ID and Password for each user.

21. Provision of super user.

22. Monitoring all types of payment through computer.

23. Generation of reports for different types of users related to physical & financial progress/expenditure/ fund position etc. These include Financial Year wise/ Sector wise/ Head of Account wise etc. and others if any.

24. Generation of different graphical, analytical MIS Reports for different level of users.

25. Facility for system administration to manage the system/ users.

26. Facility to add/ update any set of master data at times.

27. Comprehensive Management Information System and inbuilt Decision Support Systems with analytical & graphical reports.

28. Generation of detail report against each project including all financial and physical sets of data.

29. Recording of entry of utilisation certificate of grants released. Bills paid

	for any project will be accepted as fund utilised.
	30. Provision of taking back-up of Data. 31. Provision for web based information dissemination of available Scientific data at DMCHS (i.e. data category, type, source, availability, duration, size, cost (if any) and method of data dissemination) 32. Provision for user interface based scientific data downloading system where the end user can request for certain scientific data from the available data repository of DMCH. 33. Provision for web based scientific data parking at the DMCHS for upgrading the existing data repository at the DMCHS of GBPIHED. 34. Any other facility not covered above, etc. **For other various modules/clarification, the firm can contact the Nodal Officer, DMCHS through the e-mail id nmhspmu2016@gmail.com**
Monitoring and Maintenance	24 x 7 monitoring and maintenance for a period of 3 years extendable up to 5 years.

Settings: Admin should decide on control/ access level privilege management. System should be able to handle privilege level for different users from Back End using Admin login. Admin should be able to add/ remove any component/ option at any time. Admin should have the privilege to Add/Edit/Delete users at any point of time.

Reports: System should be able to generate reports on performance, fund transactions and Analytics. These reports should be printer friendly and should able to generate as .xls and .pdf format. There shall be provisions for different kinds of MIS reports to suit user requirements. Monitoring of physical progresses as per defined set of data.

Technical Details: All screens should be responsive and optimized to all the standard browsers. The entire module should be developed using detailed SRS and test cases adhere to standard SDLC procedure. Provide Dashboard for different activities. Provide Alert mechanism for action to be taken. Sharing of information through email/ mobile. Adherence to IT security and data backup best practices with inbuilt arrangements.

4. METHOD OF APPLICATION

1. If the bidder is an individual, the application shall be signed by him above his full type written name and current address.
2. If the bidder is a proprietary firm, the application shall be signed by the proprietor above his full type written name and the full name of his firm with its current address.
3. It the bidder is a firm in partnership, the application shall be signed by all the partners of the firm above their full type written names and current addresses, or, alternatively, by a partner holding power of attorney for the firm. In the latter case a certified copy of the power of attorney should accompany the application. In both the cases certified copy of the partnership deed and current address of all the partners of the firm should be accompany the application.
4. If the bidder is a limited company or a corporation, the application shall signed by a duly authorized person holding power of attorney for signing the application accompanied by a copy of the power of attorney. The bidder should also furnish a copy of the memorandum of Articles of Association duly attested by a Public Notary.

5. FINAL DECISION MAKING AUTHORITY

The Competent Authority of GBPIHED reserves the right to accept or reject any EOI/bid and to annul the process and reject all bids at any time, without assigning any reason or incurring any liability to the bidders.

6. SITE VISIT

The bidder is advised to visit the site of work, at his own cost, and examine it and its surroundings, to himself collect all information that he considers necessary for proper assessment of the prospective assignment including bye-laws and formalities required for getting various NOCs and approval at various stages of work.

7. PRE-BID CONFERENCE

The Pre-bid conference shall be held after opening EOI at Conference Hall, GBPIHED, KOSI KATARMAL, ALMORA -263643, UTTRAKHAND at 11:30am on 19.2.2016 to clear the doubt of intending bidders, if any.

8. SELECTION METHODOLOGY

Selection of the bidder shall be based on a two-stage open competitive bidding process as indicated below:

8 (A). Stage - 1:Expression of interest (EOI): This document details the terms & conditions for inviting EOI from eligible bidders. Only firms that qualify the overall evaluationcriteria of the EOI, shall be invited to participate in stage-2. This stage shall have two sub stages:

a. *Pre-qualification:* Bidder's response to this EOI shall be evaluated by the Tendering Authority as per criteria defined in this document. Only, bidders who meet the pre-qualification criteria shall be eligible for evaluation of the technical qualification criteria.

b. *Technical Qualification:* In technical qualification round, bidder will be required to present the details regarding the projects mentioned, showing their work experience, in response to this EOI. During Presentation, bidder shall have to give presentation as per proposed design and solution for Data Centre. Bidders must present evidence to substantiate their claims to secure marking.

Outcome of Stage-1: Determination of qualified bidders for Stage-2.

8 (B). Stage - 2:Request for Proposal (RFP): Based on Pre-qualification and Technical Qualification criteria in this EOI, bidders would be shortlisted for Stage-2. Stage-2 of the selection process shall comprise of invitation for techno-commercial bids by issuance of a Request for Proposal (RFP) to short listed bidders. The details of processing the response received from short-listed bidders will be described in the RFP document.

Outcome of Stage 2: Determination of successful bidder.

TERM AND CONDITIONS

1. The EOI complete in all respects, must reach the**Administrative Officer, G.B. Pant Institute of Himalayan Environment & Development, Kosi - Katarmal, Almora -**

263643, Uttarakhand, India under sealed cover latest by 16.2.2016 by 5.00 p.m. The EOI will be opened on 19.2.2016 at 11:00 AM in the Conference Hall of the Institute. The bidders or their authorized representative will be allowed at their own costs to be present at the time of opening of EOI.

2. EOI document can be downloaded from the Institute website http://gbpihed.gov.in. The copy of the EOI document, duly attested by the bidder, must be attached with the bid.

3. The EOI received after due date and time or incomplete in any other respect or technically not qualifying EOI shall be liable to be rejected.

4. The EOI must be valid for a period of at least three months from the date of its opening.

5. The delivery, installation and commissioning of the material shall be FOR GBPIHED, Kosi-Katarmal, Almora - 263643, Uttarakhand.

6. The successful bidder will supply, configure and install all the equipments within 45 days from the date of letter of intent/order. If delay is caused by the circumstances beyond the control of the successful bidder, the successful bidder may request the Director, GBPIHED for extension of date which may or may not be granted. The Institute may impose a penalty @ 1% (one per cent) per day subject to a maximum of 10% (ten percent) in all of the cost of the bid for the delay.

7. The bidders must append the following documents with the EOI:
   - Copies of PAN / TAN.
   - Copies of Sales Tax Number along with latest Sale Tax clearance certificate.
   - Copy of Service Tax Number
   - List of clients along with complete addresses and telephone numbers.

8. Quantity of items/equipments can be increased or decreased or even deleted.

9. The equipments, which are not found according to specifications, and are thus not accepted, shall be lifted back by the successful bidder at their own cost/risk.

10. During evaluation of the EOI, the Institute may, at its discretion, ask the bidder for clarification of bids. The request for clarification and the response shall be in writing.

11. Only OEM or their dealers authorized for this bid are permitted to participate in the EOI. The bidders shall append the Certificate of Authorization in original issued by the OEM for participation in this EOI failing which the EOI will be rejected.

12. The authorized bidder must have a minimum annual turnover of Rs. 10.00 crores failing which the bid will be rejected. Proof of turn over may be appended with the EOI.

13. The Institute reserves the right to accept or reject any or all the EOI or negotiate on any of the EOI conditions/ items and to annul the bidding process and reject all the EOI at any time prior to placement of order without assigning any reason thereto and without any obligation to inform the affected bidders.

14. The bidder should possess minimum three years experience in supply, installation and maintenance of Data Centre solution and other related major assignments. Proof of implementation of similar projects at the premises of minimum three customers similar to the Institute in size and requirement may be attached with the EOI documents. Certificate of completed projects should be issued by the customer.

15. The bidder shall append a certificate with the EOI that the firm has not been debarred / blacklisted for any reason / period by any Central/State Govt. Dept. / University / PSU etc. If so, particulars of the same may be furnished. Concealment of facts shall not only lead to cancellation of the order, but may also warrant legal action.

16. The dispute, if any, shall be subject to the jurisdiction of Courts at Almora.

17. Terms and conditions printed on EOI of the firm, if any, shall not be binding on the Institute, except those mentioned specifically on the order, and acceptance of the order shall be construed as the firm's complete agreement to all the terms and conditions contained in the order and the EOI notice.

18. The bidder will provide 03-year on-site warranty on all the equipments, and will also specify the post warranty comprehensive annual maintenance rates for another two years failing which EOI will be liable to be rejected.

19. Installation and pre and post configuration of the servers and other equipments shall be the responsibility of the successful bidder/firm.
20. The bidder may furnish any additional information, which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. He is however, advised not to furnish superfluous information. No information shall be entertained after submission of eligibility criteria document unless the GBPIHED call for it.

The time frame for the completion of the project will be 45 days from the date of award of the assignment.

Kindly read the above terms and conditions and other information carefully before filing the EOI. In case, any clarification/ other information is required, the undersigned may be contacted at Telephone No. 05962-241041, 241154, 241047, E-mail: ao@gbpihed.nic.in and/ or nmhspmu2016@gmail.com on any working day (Monday to Friday) during office hours (9 a.m. to 5.30 p.m.).

Administrative Officer